

10/520837

PATENT
Atty. Dkt. AVAN/000635US

DT12 Rec'd PCT/PTO 07 JAN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	§	
Thedrez, Bruno	§	
Serial No.: Unknown	§	Group Art Unit: Unknown
Confirmation No.: Unknown	§	
Filed: January 7, 2005	§	Examiner: Unknown
For: DFB LASER WITH A DISTRIBUTED REFLECTOR AND PHOTONIC BAND GAP	§	Customer No.: 47389

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE UNDER 37 CFR 1.10

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited on 7 Jan 2005 with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing label No. EV 335472882 US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

7 Jan. 2005
Date

Walter C. Sotter
Signature

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

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The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AVAN000635US.

Respectfully submitted,

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Substitute for form 1449A/PTO		Complete If Known 10/520837	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	Unknown
		Filing Date	January 7, 2005
		First Named Inventor	Bruno Thedrez
		Art Unit	Unknown
		Examiner Name	Unknown
<i>(Use as many sheets as necessary)</i>		Attorney Docket Number AVAN/000635US	
Sheet	1	of	2

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See *Kinds Codes of USPTO Patent Documents* at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		<i>Application Number</i>	Unknown		
<i>(Use as many sheets as necessary)</i>		<i>Filing Date</i>	January 7, 2005		
		<i>First Named Inventor</i>	Bruno Thedrez		
		<i>Art Unit</i>	Unknown		
		<i>Examiner Name</i>	Unknown		
Sheet	2	of	2	Attorney Docket Number	AVAN/000635US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		T. D. HAPP, M. KAMP, A. FORCHEL, Ridge Waveguide Lasers With 2D Photonic Crystal Mirrors, Proceedings of the 26 th International symposium On Compound Semiconductors, Berlin, August 22, 26, 1999, Institute of Physics Conference Series, London: IOP, GB, Vol. Nr. 166, 22 August 1999, Pages 411-414, XP000921543, ISBN: 0-7503-0704-8 Figure 1		
		I. VURGAFTMAN AND J R. MEYER, Photonic-Crystal Distributed-Feedback Lasers, Applied Physics Letters, American Institute of Physics, New York, U.S., Vol. 78, No. 11, 12 March 2001, pages 1475-1477, XP001015018, ISSN: 0003-6951, Figure 1		
		M. KAMP, J. HOFMANN, F SCHAFER, M. REINHARD, M. FISCHER, T. BLEUEL, J. P. REITHMAIER, AND A. FORCHEL, Lateral Coupling – A Material Independent Way To Complex Coupled DFB Lasers, Optical Materials, Elsevier Science Publishers B.V. Amsterdam, NL, Vol. 17, No. 1-2, June 2001, Pages 19-25, XP004254783, ISSN: 0925-3467, Figure 1		
		PCT Search Report, International Application No. PCT/FR 03/02063, dated February 2, 2004		

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